UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/077,510	02/15/2002	Charles Xu	Inno-009	5392

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TIMOTHY P. O'HAGAN
8710 KILKENNY CT
FORT MYERS, FL 33912

EXAMINER
HALIYUR, VENKATESH N

ART UNIT	PAPER NUMBER
2664	

DATE MAILED: 11/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/077,510	XU ET AL.
	Examiner	Art Unit
	Venkatesh Haliyur	2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *15 February 2002*.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-14* is/are pending in the application.
   4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) *1-14* is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some * c) ☐ None of:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. _____.
    3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date *2 pages*.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____ .

DETAILED ACTION

1.   Claims 1 – 14 have been examined.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1,2,5,8,9,12 are rejected under 35 U.S.C. 102(e) as being anticipated by

Falck et al. [US Pat: 6,360,265].

Regarding claims 1,8, Falck et al. disclosed "Arrangement of Delivering Internet

Protocol Datagrams for Multimedia Services to the Same Server" a device [item 106 of

Fig 1, column 4, lines 38-67, column 5, lines 1-19] for receiving datagram originated by

a client [item 102 of Fig 1] that includes an indicated (global or private) network address

and an indicated port number for receipt of the datagrams representing real time

streaming media frames, a method for extracting a source network address and a

source port number from the datagram originated by the client [items 410,420,430 of Fig

2], a method for comparing the indicated network address to the source network

address [Fig 5], a method for addressing the datagrams representing real time

streaming media frames to the source network address and source port number if the

indicated network address and the source network address are not the same [rules table in Fig 5].

Regarding claims 2,9, Falck et al. disclosed a method for addressing the datagrams representing real time streaming media frames to the indicated (global or private) network address and the indicated port number if the indicated network address and the source network address are the same [rules table in Fig 5].

Regarding claims 5,12, Falck et al. disclosed a device [item 106 of Fig 1, column 4, lines 38-67, column 5, lines 1-19] for receiving a datagram originated by the client [item 102 of Fig 1] that includes an indicated (global or private) network address and an indicated port number for receipt of the datagrams representing real time streaming media frames, method for establishing a destination network address and destination port number for sending the datagrams representing real time streaming media frames to the client [items 410 - 490 of Fig 2, column 5,lines 36-67], the destination network address and destination port number [item 440 of Fig 2], being the indicated network address and the indicated port number respectively if the indicated network address matches a source network address extracted from the datagram[rules table in Fig 5], and being a source network address and a source port number extracted from the datagram if the indicated network address does not match the source network address [rules table in Fig 5].

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
section 102 of this title, if the differences between the subject matter sought to be patented and the prior art
are such that the subject matter as a whole would have been obvious at the time the invention was made to
a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be
negatived by the manner in which the invention was made.

Claims 3,4,6,7,10,11,13,14, are rejected under 35 U.S.C. 103(a) as being

unpatentable over Falck et al. [US Pat: 6,360,265] in view of Phomsopha [US Pub:

2003/0048780].

Regarding claims 3,4,6,7,10,11,13,14, Falck et al. disclosed a method for

establishing TCP connection between a client of an indicated network (global or private)

and server (private network) through a network address translator for sending and

receiving datagrams representing real time streaming frames and method for extracting

a source network address and a source port number from the session datagram

originated by the client, a method for comparing the indicated network address to the

source network address, a method for establishing a destination network address and

destination port number for sending the datagrams representing real time streaming

media frames to the client.

Falck et al. also disclosed a method for addressing the datagrams representing

real time streaming media frames to the indicated (global or private) network address

and the indicated port number if the indicated network address and the source network address are the same [rules table in Fig 5]

Falck et al. disclosed a method for the destination network address and destination port number, being the indicated network address and the indicated port number respectively if the indicated network address matches a source network address extracted from the session datagram, and being a source network address and a source port number extracted from the datagram if the indicated network address does not match the source network address extracted from the session datagram [Figs 1 - 6, columns 3 - 6], But, Falck et al. fails to disclose a method for receiving a session set up datagram originated by the client.

However, Phomsopha disclosed "Supporting Real-time Multimedia Applications via a Network Address Translator" a method for sending datagrams representing real time streaming frames to a client that includes an indicated network address [item 160 of Fig 1] and an indicated port number for receipt of the datagrams representing real time streaming media frames and a method for setting up and receiving a session datagram originated by the client that includes a real time streaming media frame [Figs 7-9, Para 0048-0052].

Therefore it would have been obvious for one of ordinary skill in the art at the time the invention was made to use the teachings of Phomsopha to modify the system of Falck et al. to include setting up and receive session datagram originated by the client that includes a real time streaming media frame.

Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. The prior art in reference here are Falck et al. and Phomsopha.

4.   Any inquiry concerning this communication or earlier communications should be

directed to the attention to Venkatesh Haliyur whose phone number is 571-272-8616.

The examiner can normally be reached on Monday-Friday from 9:00AM to 5:00 PM. If

attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Wellington Chin can be reached @ (571)-272-3134. Any inquiry of a general

nature or relating to the status of this application or proceeding should be directed to the

group receptionist whose telephone number is (571)-272-2600 or fax to 571-273-8300.

5.   Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197(toll-free).

Ajit Patel
Primary Examiner